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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
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| 10/659,886      | 09/11/2003  | Abedulah Alkhateeb   | 706666US1           | 4995             |

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| EXAMINER |
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TRINH, TAN H

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| ART UNIT | PAPER NUMBER |
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2618

DATE MAILED: 06/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/659,886

Applicant(s)

ALKHATEEB ET AL.

Examiner

TAN TRINH

Art Unit

2684

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1,2 and 4-7 is/are rejected.
- 7) ☒ Claim(s) 3 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 11 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)               | Paper No(s)/Mail Date. ____.  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date ____.  | 6) <input type="checkbox"/> Other: ____.                                    |

## DETAILED ACTION

### *Information Disclosure Statement*

1. The information disclosure statement (IDS) submitted on 9-11-2003, the information disclosure statement is being considered by the examiner.

### *Claim Rejections - 35 USC § 102*

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, and 4-5 are rejected under 35 U.S.C. 102(e) as being anticipated by Acker (U.S. Pub. No. 20040058641).

Regarding claim 1, Acker teaches a method of transferring satellite digital audio channel information to a radio display module (see figs. 12-19 for display information, page 2, sections [0039-0042]) comprising: sending an indicator to the radio display module (see fig. 6, page 3, sections [0047-0049]) corresponding to a version of a channel information table stored in a satellite receiver module (see fig. 7, page 4, section [0057]); requesting the satellite receiver module to send the channel information table to the radio display module if the version of the channel information table stored in the satellite receiver module is different from a version stored in the radio display module (see page 4-5, sections [0057-0060], since the display response to

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user request as well as real-time data store in memory 115 as it is continuously update, that is the different of the version of data channel information); transforming at the satellite receiver module the channel information table into a message protocol structure within a data stream (see fig. 5, page 3, sections [0043-0049]) the message protocol structure including a header portion and a message portion (see fig. 4-5, page3 sections [0045-0049]), the header portion including indicators for a size of the message portion and for a type of channel information table to be sent; and transmitting the data stream to the radio display module (see figs. 12-18, page 5-6, sections [0063-0072]).

Regarding claim 4, Acker teaches wherein the channel information table includes at least one of the of the group consisting of channel numbers, program type codes, station names, and category names (see fig. 7, page 4, section [0057]).

Regarding claim 5, Acker teaches wherein the type of channel information table further comprises at least one of the group consisting of: a first table including channel numbers; a second table including short form channel numbers, program type codes, and station names; a third table including long form channel numbers, program type codes, and station names; a fourth table including short form program type codes and category names; and a fifth table including long form program type codes and category names (see fig. 7, a first table including channel numbers ...42-46...and second table is channel name 118 (station name ) and page 4, section [0057]).

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2 and 7 are rejected under 35 U.S.C. 103(a) as being unpatentable over Acker (U.S. Pub. No. 20040058641) in view of Yuhara (U.S. Pub. No. 20040192189).

Regarding claim 2, Acker teaches wherein the indicator corresponding to a version of a channel information table stored in a satellite receiver module (see fig. 7, page 4, section [0057] since the display response to user request as well as real-time data store in memory 115 as it is continuously update, that is the different of the version of data channel information. But Acker fails to teach a checksum.

However, Yuhara teaches a checksum (see fig. 5, data correct and check sum 504, page 6, section [0058]).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Acker and Yuhara in order to checked error of the received data (page 6, section [0058]).

Regarding claim 7, Acker teaches storing at the radio display module the indicator corresponding to the version of the channel information table stored in the satellite receiver module sent to the radio display module (see fig. 7 and 12-18, display 114, the version of the channel information on fig. 13A the channel 44 with channel name Fred and fig. 13B the channel

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44 with Artis name Red Hot Chili Pe; that is obvious to the different version of the channel information table stored in the satellite receiver module sent to the radio display module.

Therefore the Acker reference is read on the version channel information of the claim.

6. Claim 6 is rejected under 35 U.S.C. 103(a) as being unpatentable over Acker (U.S. Pub. No. 20040058641) in view of Richard (U.S. Patent No. 6785551).

Regarding claim 6, Acker teaches further comprising demodulated and multiplexed the data bit stream and generated to a display 114 (see fig. 12-18, page 3, section [0048]). But Acker fails to show the re-constructing the channel information table in the radio display module.

However, Richard teaches the re-constructing the channel information table in the radio display module (see col. 6, lines 48-54).

Therefore, it would have been obvious to one of ordinary skill in the art at the time invention was made to modify above teaching of Acker with Richard in order to re-constructing information is passed to the presentation module provides the information to the user (col. 6, lines 50-54).

#### ***Allowable Subject Matter***

7. Claim 3 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

#### ***Reasons for allowance***

8. The following is an examiner's statement of reasons for allowance:

Regarding dependent claim 3, the reference of Acker and the prior art of record fail to disclose, wherein the header portion further comprises: an indicator of whether a current record of a table being sent in the protocol structure is a first record of the protocol structure; an indicator of a total number of records in the table being sent; an indicator whether a data message in the protocol structure is a first data message of the protocol structure; and an indicator of a total number of groups in the current record being sent as cited in claim 3.

***Conclusion***

**9. Any response to this action should be mailed to:**

Commissioner of Patents and Trademarks  
Washington, D.C. 20231

**or faxed to:**

**(571) 273-8300, (for Technology Center 2600 only)**

*Hand-delivered responses should be brought to the Customer Service Window (now located at the **Randolph Building, 401 Dulany Street, Alexandria, VA 22314**).*

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tan Trinh whose telephone number is (571) 272-7888. The examiner can normally be reached on Monday-Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiners supervisor, Anderson, Matthew D., can be reached at (571) 272-4177.

The fax phone number for the organization where this application or proceeding is assigned is **(571) 273-8300**.


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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the **Technology Center 2600 Customer Service Office** whose telephone number is **(703) 306-0377**.

11. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Tan H. Trinh  
Division 2618  
June 5, 2006



  
Anderson, Matthew D. (SPE 2618)